

GLYCERIN DERIVATIVE, ITS PREPARATION, AND DRUG CONTAINING IT

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Abstract of JP60104066

NEW MATERIAL: A compound shown by the formula I [A is O, carbonyloxy (carbonyl group is linked to R<3> group); R<1> is 6-22C alkyl, or phenyl-substituted 2-5C alkyl; R<2> is OH, amino, 1-20C alkyl, 1-20C alkoxy, group shown by the formula II (R<4> is H, halogen, 1-4C alkyl, etc.), etc.; R<3> is 1-12C alkylene; group shown by the formula III is heterocyclic group; with the proviso that R<2> is not amino when A is carbonyloxy], and its acid addition salt. EXAMPLE: (2RS)-1-O-hexadecyl-3-O-[7-(1-pyrrolidiny)]heptyl glycerin. USE: An inhibitor of blood platelet aggregation, antiasthmatic, antiallergic, anti-inflammatory agent, hypotensor, and antitumor agent. PREPARATION: For example, a compound shown by the formula IV (Y is halogen, alkylsulfonyloxy, etc.) is reacted with a tertiary amine, and, if necessary, subjected to salt exchange reaction, to give a compound shown by the formula I wherein a group shown by the formula III is heterocyclic group where the ring itself is quaternary ammonium ion or nitrogen atom in the ring is replaced with alkyl group and converted into quaternary ammonium ion.

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